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August 4, 2000

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Commissioner for Patents  
Washington, D.C. 20231

**Box Patent Application**

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)  
Appl. No. To be assigned; Filed: August 4, 2000  
For: **Wireless Local Area Network (WLAN) Using Universal Frequency  
Translation Technology Including Multi-Phase Embodiments and  
Circuit Implementations**  
Inventors: David F. Sorrells, Michael J. Bultman, Robert W. Cook,  
Richard C. Looke, Charley D. Moses, Jr., Gregory S. Rawlins,  
and Michael W. Rawlins  
Our Ref: 1744.0630003

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.  
Patent and Trademark Office:

1. USPTO Utility Patent Application Transmittal Form PTO/SB/05;
2. U.S. Utility Patent Application entitled:

**Wireless Local Area Network (WLAN) Using Universal Frequency  
Translation Technology Including Multi-Phase Embodiments and Circuit  
Implementations**

and naming as inventors:

**David F. Sorrells, Michael J. Bultman, Robert W. Cook, Richard C. Looke,  
Charley D. Moses, Jr., Gregory S. Rawlins, and Michael W. Rawlins**

Commissioner for Patents

August 4, 2000

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the application comprising:

- a. specification containing:
    - i. 98 pages of description prior to the claims;
    - ii. 7 pages of claims ( 40 claims);
    - iii. a one (1) page abstract;
  - b. Two-hundred and eight (208) sheets of drawings: (Figures 1A-D, 2A, 2B, 3-14, 15A-F, 16-19, 20A, 20A-1, 20B-F, 21, 22A-F, 23A, 24A-J, 25-45, 46A, 46B, 47, 48, 49A, 49B, 50, 51, 52A-C, 53-55, 56A, 56B, 57-60, 61A, 61B, 62-66, 67A, 67B, 68A, 68B, 69A, 69B, 70A-S, 71A-D, 72A-J, 73A, 73B, 74, 75A-C, 76A, 76B, 77, 78, 79A-D, 80, 81A-C, 82-88, 89A-E, 90A-D, 91-94, 95A-C, 96-161 );
3. 37 C.F.R. § 1.136(a)(3) Authorization to Treat a Reply As Incorporating An Extension of Time (in duplicate); and
  4. Two (2) return postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

***This patent application is being submitted under 37 C.F.R. § 1.53(b) without Declaration and without filing fee.***

Commissioner for Patents

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***This application claims priority to U.S. Provisional Application No. 60/147,129, filed August 4, 1999; U.S. Application No. 09/525,615, filed on March 14, 2000; and U.S. Application No. 09/526,041, filed on March 14, 2000.***

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

A handwritten signature in black ink, appearing to read 'R. Sokohl', is written over the printed name.

Robert Sokohl

Attorney for Applicants

Registration No. 36,013

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Sorrells *et al.*

Appl. No. To be assigned

Filed: August 4, 2000

For: **Wireless Local Area Network  
(WLAN) Using Universal  
Frequency Translation  
Technology Including Multi-Phase  
Embodiments and Circuit  
Implementations**

Art Unit: To be assigned

Examiner: To be assigned

Atty. Docket: 1744.0630003



**Authorization To Treat A Reply As Incorporating An Extension Of Time  
Under 37 C.F.R. § 1.136(a)(3)**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert Sokohl  
Attorney for Applicants  
Registration No. 36,013

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